



# Year 4 Curriculum Booklet

Autumn Term 1.2



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
School Values	Respect	Honesty	Friendship	Commitment	Understanding	Equality
Art and Design	Anglo-Saxon Art Sculpture	NA	Cultural patterns Print Making	NA	Observations Drawings Self-	NA
Design Technology	NA	Mechanical systems: Pneumatics	NA	Electronics: electrical systems, simple circuits and switches	NA	Food: Healthy and varied diet
Computing	Online safety 2 weeks PowerPoint	We are meteorologists (PowerPoint)	ECC: Drawing— Landscapes	BBC Microbit-Coding Volcanos	Sphero— Long Jump	ECC: Learn to Code 2
English Reading	Anglo Saxon Boy	Freedom for Bron	How to train your Dragon	Viking Boy	Charlie and the Chocolate Factory	Street Child
English Writing	Narrative Non-chronological report	Narrative Newspaper report Poetry	Narrative Diary Poetry	Narrative Biography	Narrative Letter	Narrative Non-chronological report Poetry
Geography	Counties and Coasts	NA	Mountains	NA	Renewable and Non renewable energy sources	NA
History	How did Britain change with the settlement of the Anglo-Saxons?	NA	Were the Vikings always victorious and vicious?	NA	What impact did the industrial revolution have in Birmingham?	NA

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Mathematics	Place value Addition and subtraction	Length and Perimeter Multiplication and Division	Multiplication and Division Area	Fractions Decimals	Decimals Money Time	Statistics Properties of shape Position and direction
Music	Newave Music Provider	Newave Music Provider	Newave Music Provider	Newave Music Provider	Newave Music Provider	Newave Music Provider
Physical Education	Fitness	Gymnastics	Dodgeball	Handball	Cricket	Athletics
Personal, Social, Health, Economic Education	What strengths, skills and interests do we have?	How do we treat each other with respect?	How can we manage our feelings?	How will we grow and change?	How can our choices make a difference to others and the environment?	How can we manage risk in different places?
Religious Education	Expressing joy Being thankful	Being reflective and self critical Being curious and valuing knowledge	Being modest and listening to others Cultivating inclusion, identity and belonging	Being merciful and forgiving Being regardful of suffering	Living by rules Being temperate and exercising self discipline and serene contentment	Being imaginative and explorative Appreciating beauty
Science	How can materials be separated?	How do humans digest their food?	How can series circuits be useful to us?	How can living things be classified?	What makes sounds change?	What makes sounds change?
Mandarin	Numbers 1-100 Introduce family members Chinese characters Pinyin and four tones	Months and dates Key words for Mid-Autumn festival Christmas celebration in China Christmas song	Chinese new year traditions and customs Key words and sentences for new year Pets and animals	Parts of the body Measure words Chinese food and western food Chinese food culture Food and drink items	Countries Nationalities Language Colours	Revision Cultural Project

# Design Technology

## What will we be learning about this half term

Understanding how levers and linkages or pneumatic systems create movement. Identify the difference between fixed and loose pivots.

Joining materials to make product using both permanent and temporary fastening.

Producing models that incorporate mechanical systems such as levers, linkages or pneumatic systems to create movement.

## Keywords

Pneumatic

Inflate

Air

Pump

Syringes

Mechanisms

## What you could do at home

Explore simple mechanisms, such as sliders and levers, and simple structures.

Learn how materials can be joined to allow movement.

Join and combine materials using simple tools and techniques.

## Useful Websites

<https://education.theiet.org/primary/teaching-resources/moving-pictures-with-levers-and-sliders/>

<https://teachers.thenational.academy/units/mechanisms-sliders-and-levers-8ef2>

<https://www.stem.org.uk/resources/elibrary/resource/470775/pneumatics-and-hydraulics>



# Computing

## What will we be learning about this half term

Children will identify the input device (microphone) and output devices (speaker or headphones) required to work with sound digitally. They will discuss the ownership of digital audio and the copyright implications of duplicating the work of others.

## Keywords

Input

Output

Audio

Podcast

Copyright

Ownership

## What you could do at home

Look at the copyright labels on any music children have at home. Explore different analogue and digital sounds they can hear at home and through their different devices. Look at audio that has been edited and try to identify how it was changed.

## Useful Websites



# Reading

## What will we be learning about this half term

This half term children will be focussing on recognising and naming different types of poems. Also, they will be summarising the main idea of a text in a sentence and asking questions to ensure understanding of a text.

## Keywords

Poetry

Verse

Stanza

Rhyme

Repetition

Summarising

## What you could do at home

Read with your child for ten minutes every day.

Ask your child to summarise what has happened in the class text so far.

Discuss meaning of new words.

## Useful Websites

[booktrust.org.uk](http://booktrust.org.uk)

[bbc.co.uk/newsround](http://bbc.co.uk/newsround)

<https://www.bbc.co.uk/bitesize/topics/zs44jxs>



# Writing

## What will we be learning about this half term

We are going to be using the book 'Freedom for Bron' to write a:

A narrative (story with a historic setting)

A newspaper article

## Keywords

Narrative

Setting

Story

Descriptive

Newspaper

Facts

Features

Language

## What you could do at home

Read the book 'Freedom for Bron'.

Explore different historic settings on the internet or visit a historic settlement.

Read newspaper articles.

## Useful Websites

<https://www.bbc.co.uk/bitesize/subjects/zv48q6f>

<https://www.topmarks.co.uk/english-games/7-11-years/spelling-and-grammar>



# History

## What will we be learning about this half term

Enquiry question: How did Britain change with the settlement of the Anglo-Saxons?

Children will:

- Use a timeline to divide recent history into the present (using 21<sup>st</sup> century) and the past (using 19<sup>th</sup> and 20<sup>th</sup> centuries)
- Generate questions about evidence presented.

## Keywords

Chronology  
Archaeology  
Discovery  
Excavation  
Migration  
Settlement  
Settler  
Cause/causation  
Paganism  
Traditions

## What you could do at home

Research the enquiry question and create a PowerPoint and present your findings to your family.

Create a timeline using resources at home and research what happened in the past and place it on your timeline in a chronological order.

## Useful Websites

<https://www.natgeokids.com/uk/discover/history/general-history/anglo-saxons/>

<https://www.bbc.co.uk/bitesize/topics/zxsbcdm>

<https://planbee.com/blogs/news/anglo-saxon-ks2-facts>

# Mathematics

## What will we be learning about this half term

Length and perimeter: measuring and calculating the perimeter of shapes in cm and m. Converting between different units of measure e.g. km to m

Multiplying 2-digit numbers by 1-digit and solving problems.

## Keywords

Length

Perimeter

Centimetres

Metres

Kilometres

Multiply/times/lots of  
Distributive law

## What you could do at home

Encourage your child to use TT rockstars every day to practice their times tables.

Discuss different units of measure, especially if relevant at home (e.g. doing DIY or cooking)

## Useful Websites

- TT rockstars
- Perimeter - BBC Bitesize—  
<https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zsr4k7h>

# Music

## What will we be learning about this half term

Children will be learning to play the keyboard.

## Keywords

Keyboard

Rhythm

Keys

Notes

Technique

## What you could do at home

Download 'My musical Instruments' app—children can practise playing the keyboard.

They can also use the sheet music linked to practise their keyboard skills.

## Useful Websites

<https://i.pinimg.com/736x/4c/7d/f9/4c7df9ba1196c4bbad3ec55454bc8e69--easy-piano-songs-piano-music.jpg>

<https://i.pinimg.com/originals/3c/24/0c/3c240cda0a6b8ce34852473a1cec23db.jpg>

<https://th.bing.com/th/id/R.ecb1f9515c44f58b95ba05a6ef559a18?rik=RHwijOrVOea77A&pid=ImgRaw&r=0>



# Physical Education

## What will we be learning about this half term

### Gymnastics

In this unit, pupils create more complex sequences. They learn a wider range of travelling actions and include the use of pathways. They develop more advanced actions such as inverted movements and explore ways to include apparatus. They will demonstrate control in their behaviour to create a safe environment for themselves and others to work in.

## Keywords

balances  
rotation  
straight roll  
barrel roll  
forward roll  
straddle roll  
communicating

## What you could do at home

Encourage children to take part in a range of fitness activities to develop their components of fitness.

Ask your child to demonstrate some of the skills they have learnt in their P.E lessons

## Useful Websites

[Youtube- Gymnastics for kids—3– 5 yrs—twinkles full workout.](#)

[Www.All4kidsUK.com](http://www.All4kidsUK.com)

[http://  
www.fitnessandathletics4kids.co.uk/](http://www.fitnessandathletics4kids.co.uk/)



# PSHE

## What will we be learning about this half term

We will be learning about relationships

We will learn what respect is, what our rights and responsibilities are and how to show respect

## Keywords

Respect

Tolerance

Rights

Responsibilities

Privacy

Protected characteristics

## What you could do at home

Discussions at home, what is respect, how do we show respect. What things can they do outside of school to be respectful. When children are online, showing how we show respect online. Children can share what their rights and responsibilities are

## Useful Websites

<https://resourcecentre.savethechildren.net/pdf/rights-and-responsibilities.pdf/>

<https://raycenter.wp.drake.edu/2016/04/14/35-activities-to-teach-respect/>

<https://www.teachingexpertise.com/classroom-ideas/relationship-building-activities/>



# Religious Education

## What will we be learning about this half term

Contemplation

Being reflective and self critical.

How does Buddha encourage his members to do better.

To experience meditation

The Christmas Story.

## Keywords

Contemplation

Reflective

Buddha

Meditate

Knowledge

Christmas

## What you could do at home

Discuss the different religions with an emphasis on Buddhism and Christianity.

Discuss the scriptures of main religions and their importance on their followers.

Look at the importance of Christmas for Christians and the reasons why. Read the Christmas Story with your child. There are many versions online.

## Useful Websites

[reonline.org.uk](http://reonline.org.uk)

<https://www.bbc.co.uk/bitesize/subjects/z7hs34j>

# Science

## What will we be learning about this half term

Animals including humans

Describe functions of the human digestive system

Identify different types of teeth and their functions

Exploring food chains of animals, learning about predators, prey and producers

## Keywords

Digestive system

Teeth

Animals

Function

Habitat

Food chain

Predators

Prey

## What you could do at home

Children can research about different types of animals and the food they eat

Make homemade toothpaste—1 teaspoon baking soda, one drop of an essential oil, few drops of water and mix

Make a human digestive system at home (link on the useful websites)

## Useful Websites

<https://www.bbc.co.uk/bitesize/topics/zxfrwmn/articles/zfvc92p>

<https://www.sheppardsoftware.com/science/animals/games/food-chain/>

[https://sciencetrek.org/sciencetrek/topics/digestive\\_system/games.cfm](https://sciencetrek.org/sciencetrek/topics/digestive_system/games.cfm)

<http://www.tenalpscommunicate.com/clients/siemens/humanbodyOnline/#home>

<https://www.science-sparks.com/digestive-system-model/>



# Mandarin

## What will we be learning about this half term

Months and dates

Key words for Mid-Autumn festival

Christmas celebration in China

Learning a Christmas song

## Keywords

Months

Dates

Festival

Christmas

Celebration

## What you could do at home

Research how Christmas is celebrated in China.

Learn the Christmas song from YouTube.

## Useful Websites

<https://www.chinahighlights.com/festivals/christmas.htm>

<https://www.whychristmas.com/cultures/china>

[https://www.youtube.com/results?search\\_query=chinese+christmas+songs+mandarin+](https://www.youtube.com/results?search_query=chinese+christmas+songs+mandarin+)

